



BREEAM®

UK New Construction

ASSA ABLOY
Opening Solutions

ASSA ABLOY Opening Solutions EMEA - 12.2021

Experience a safer
and more open world

Summary

Building Research Establishment Environmental Assessment Methodology (BREEAM®) is a green building certification system administered by the Building Research Establishment (BRE®). The scheme is internationally recognized; however, it is most common in the United Kingdom. BREEAM® UK New Construction scores buildings on a comprehensive list of weighted categories and can achieve different certification levels including Pass, Good, Very Good, Excellent, and Outstanding based on their percentage of credits achieved. Minimum standards must also be met to achieve baseline certification. Categories covered in this scheme include Management, Health and Wellbeing, Energy, Transport, Water, Materials, Waste, Land Use and Ecology, Pollution, and Innovation.

An important aspect when pursuing BREEAM® certification is identifying products that align with and contribute towards the goals of the project. To aid in these decisions, this document highlights how ASSA ABLOY Opening Solutions products may contribute to a variety of BREEAM® credits.

Applicable Credits



Health and Wellbeing

- Hea 02 Indoor Air Quality
- Hea 04 Thermal Comfort
- Hea 05 Acoustic Performance
- Hea 06 Security



Energy

- Ene 01 Reduction of energy use and carbon emissions



Materials

- Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD)
- Mat 03 Responsible sourcing of construction products
- Mat 05 Designing for Durability and Resilience



ASSA ABLOY is
official partner in
the WGBC's Europe
Regional Network



WORLD
GREEN
BUILDING
COUNCIL



Health and Wellbeing

Hea 04 Thermal Comfort (1-3 pts)

Ensure that buildings provide appropriate thermal comfort levels.

ASSA ABLOY Opening Solutions has many products that enhance the overall thermal performance of the building. Our drop seals and door closers ensure a timely and tightly sealed building envelope, minimizing temperature changes within the building. Additionally, select doors are constructed with insulation to improve the thermal performance of the door, effectively improving the overall energy performance of the building.

Hea 05 Acoustic Performance (3 pts)

Minimise sound disturbances and increase occupant productivity by providing enhanced acoustic performance.

All ASSA ABLOY drop seal doors, as well as some doors, have acoustic dampening or proofing properties that contribute to enhancing the acoustic performance of the building. We offer doors solutions, including our Powershield Acoustic Doors, that are rated upwards of 45 decibels and are compliant with acoustic standards such as EN-ISO 140-3.

For more information on the acoustic performance properties of our products, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. ASSA ABLOY Opening Solutions' access control, locking, door, and panic and exit device products provide convenient safety features that ensure occupant security while maintaining a welcoming environment. Our products are designed to a variety of vigorous performance and safety standards. Additionally, our door closers ensure that entrances are tightly secured every time.



Energy

Ene 01 Reduction of Energy Use and Carbon Emissions (up to 18 pts)

To minimise operational energy demand, primary energy consumption and CO₂ emissions.

Energy efficiency within buildings can be increased by maintaining a tight building envelope as well as by choosing access solutions that use low-to-no energy. Door security solutions from ASSA ABLOY Opening Solutions such as door closers and drop seals ensure a tight door seal. Select doors also have thermal performance properties. These solutions can lessen the load on heating, ventilation, and air conditioning systems, leading to increased energy efficiency in the building. Additionally, many of our access control solutions and electromechanical locking systems use minimal energy or utilize energy-harvesting technology.

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OVERVIEW

ACCESS
CONTROL

Aperio®
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SMARTair™

DOOR CLOSERS

MECHANICAL
AND ELECTRO-
MECHANICAL
LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT
DEVICES

DOOR OPENERS

HANDLES AND
PUSH-PULLS



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY Opening Solutions aims to set long-term, science-based sustainability goals. Many of our products have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. ASSA ABLOY Opening Solutions has numerous products with product specific EPDs within our access control, door closer, locking, door, exit device, entrance automation, and architectural hardware product lines. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards. ASSA ABLOY Opening Solutions also has several industry wide EPDs.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Mat 03 Responsible sourcing of construction products (up to 4 pts)

Select products with a reduced environmental, economic, and social impact.

ASSA ABLOY Opening Solutions strives to source materials responsibly. Our suppliers are vetted through a competitive process where they are rated on key factors such as sustainability and quality. All new product sources must follow our internal gateway processes for quality approval and are audited. Additionally, many ASSA ABLOY products contain recycled content and have Forest Stewardship Council (FSC®) certifications.

Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution products are designed using high-quality materials and world-class engineering, leading to increased product lifetimes. Our products are made to meet a variety of vigorous performance and safety standards.

Don't see what you are looking for?

We may be able to work with you! Please put in a request at:

Sustainability.EMEIA@assaabloy.com

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS



Health and Wellbeing

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. These products provide accessibly entry while maintaining superior security.

Aperio® is a cost-effective solution for many access control applications. This product eliminates key management issues while providing authorization changes in real time. Communication is encrypted with audit trails and time zones recorded for viewing as needed. Battery-powered Aperio RFID-equipped cylinders, escutcheons, handles, and locks can be fitted as a new access control system or extend an existing installation by linking new doors to the same system wirelessly. This eliminates the need for staff to swap their key cards, nor for anyone to carry more than one credential. Aperio works seamlessly within almost every major access control system on the market, from over 100 different manufacturers. One control panel manages everything — Aperio and legacy locks.

CLIQ® is a mechatronic locking system that combines high-end mechanical and electronic protection. A range of key-operated mechanical cylinders and padlocks maximize physical security and attack resistance. CLIQ technology then layers DES encrypted, user-friendly electronic security on top of physical security measures. Audit trail time and date stamps are tracked. This adds control and convenience without the need for wires; all CLIQ devices are wire-free. The power to operate the electronics comes from the battery inside every CLIQ key.

Incedo™ is a flexible and future-proofed system that scales and updates as needed, keeping facilities and their users up to date with the latest technological changes. With Incedo's modular platform approach, system owners simply choose the security hardware (e.g. Aperio, PULSE), the credentials they need, and the appropriate management system option. Incedo's system management options — Lite, Plus, and Cloud — scale from entry level up to cloud-based administration.

Code Handle® provides convenient safety features that increase occupant security. Code Handle products remove the need for keys within the building; instead, the handle has buttons for security code entry. With a built-in digital PIN keypad, it upgrades security at any private interior door facing a public space. The sleek design allows users to enter without keys or unsightly push-button mechanical locks. Users simply swap the existing door handle for a Code Handle. Installation requires just two screws. The installers keep the existing cylinder or lock and simply change the handle. With the Master Code, administrators can issue up to nine different four-to-six digit PINs to authorised users, amending or cancelling PINs whenever necessary.

SMARTair™ systems with battery-powered cylinders, escutcheons, security locks and readers are fast to fit and can protect almost any door or access point. The software can schedule access at specific times throughout the day to ensure that the appropriate personnel have access when needed. Openow™ is the convenient mobile solution for SMARTair. Within this app, users store validated digital keys securely. Additionally, using the app reduces high traffic touch points.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS
CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL
AND ELECTRO-
MECHANICAL
LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT
DEVICES

DOOR OPENERS

HANDLES AND
PUSH-PULLS



Energy

Ene 01 Reduction of Energy Use and Carbon Emissions (up to 18 pts)

To minimise operational energy demand, primary energy consumption and CO₂ emissions.

Aperio, CLIQ, Incedo, Code Handle, and SMARTair are battery-powered products. Compared to traditional, hard-wired access control products, our wireless access control solutions utilize minimal grid energy and can improve a building's energy performance or ENERGY STAR® score. In addition, Incedo Business utilizes wireless hardware, such as Aperio or PULSE. The battery-powered access control solutions from Aperio use minimal energy and only wake-up and use energy when presenting a credential. They also require less energy during the installation phase as no cabling around the door is needed. These devices can be easily switched to other doors in case of movement. Energy harvesting solutions, such as the key-based ASSA ABLOY PULSE electronic locking system, generate the needed energy by inserting and turning the key.



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Many of our access control products have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards. ASSA ABLOY Opening Solutions also has several industry wide EPDs.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS
CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL
AND ELECTRO-
MECHANICAL
LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT
DEVICES

DOOR OPENERS

HANDLES AND
PUSH-PULLS

DOOR CLOSERS



Health and Wellbeing

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. Our door closers ensure that doors close properly every time, maintaining building security.



Energy

Ene 01 Reduction of Energy Use and Carbon Emissions (up to 18 pts)

To minimise operational energy demand, primary energy consumption and CO₂ emissions.

Energy efficiency within buildings can be increased by maintaining a tight building envelope. ASSA ABLOY door closers ensure that doors close quickly and properly, which can lessen the load on heating, ventilation, and air conditioning systems, increasing building energy performance.



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Our door closers have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards. All door closer products have product specific EPDs. Door closers also have a generic industry EPD through ARGE.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution door closers are designed with high-quality materials and world-class engineering, leading to increased product lifetimes. Our door closers are made to meet a variety of vigorous performance and are built to withstand high-traffic areas.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS

MECHANICAL AND ELECTROMECHANICAL LOCKING

E-Locks | Pulse | Lock Sets | Lock Cases and Cylinders



Health and Wellbeing

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY.

Electromechanical locks by ASSA ABLOY Opening Solutions ensure the same safety and quality as our mechanical locks to increase building security and user safety.

PULSE by ASSA ABLOY Opening Solutions utilizes self-powered cylinders and padlocks, combining the flexibility of electrical locking with the familiarity of mechanical security. PULSE has the ability to blacklist keys making safety easy and reliable.

Lock sets, lock cases, and cylinders by ASSA ABLOY Opening Solutions utilize quality locking mechanisms to increase building security and ensure user safety.



Energy

Ene 01 Reduction of Energy Use and Carbon Emissions (up to 18 pts)

To minimise operational energy demand, primary energy consumption and CO₂ emissions.

ASSA ABLOY PULSE utilizes energy-harvesting technology that requires no batteries or wires to function. PULSE utilizes no grid energy and does not negatively impact a building's energy performance or ENERGY STAR® score. Paired with ASSA ABLOY Incedo Business, it provides the access control functionality of an electronic key with the energy-savings of a mechanical one.



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Many of our locks have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards. PULSE, among other products, has its own product specific EPD.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.pl/en/sustainability/epds/epd-library>

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS



Health and Wellbeing

Hea 02 Indoor Air Quality (Prerequisite-4 pts)

Reduce emissions from construction products to enhance indoor air quality. Credit is achieved by selecting construction products in three to five categories (interior paints and coatings, wood-based products, flooring materials, ceiling/wall/acoustic/thermal insulation materials, and/or interior adhesives/sealants) that meet emissions thresholds and standards related to formaldehyde, total volatile organic compounds (TVOCs), and type 1A and 1B carcinogens.

Security Doors from ASSA ABLOY Opening Solutions are manufactured urea-formaldehyde free. Additionally, ASSA ABLOY SMARTec™ security doors are crafted with Forest Stewardship Council® (FSC®) certified wood. At the request of customers, certain product lines can be custom ordered to meet these specifications.

Hea 04 Thermal Comfort (1-3 pts)

Ensure that buildings provide appropriate thermal comfort levels.

Several of ASSA ABLOY Opening Solution doors are designed with built-in insulation, increasing their thermal performance, and enhancing the overall thermal comfort of the building.

Hea 05 Acoustic Performance (3 pts)

Minimise sound disturbances and increase occupant productivity by providing enhanced acoustic performance.

Several of ASSA ABLOY Opening Solution doors have acoustic dampening or proofing properties that contribute to enhancing the acoustic performance of the building. We offer door solutions, including our Powershield Acoustic Doors, that are rated upwards of 45 decibels and are compliant with acoustic standards such as EN-ISO 140-3. Additional standards apply on a door-by-door basis.

For more information on the acoustic performance properties of our products, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

ASSA ABLOY Opening Solutions' security doors offer maximum protection from theft, vandalism, and attack. We offer a variety of specifications to suit all levels of security risk.



Energy

Ene 01 Reduction of Energy Use and Carbon Emissions (up to 18 pts)

To minimise operational energy demand, primary energy consumption and CO₂ emissions.

Select ASSA ABLOY Opening Solutions doors are designed with built-in insulation, increasing their thermal performance. Increased thermal performance of doors can lessen the load on heating, ventilation, and air conditioning systems, leading to increased energy efficiency in the building.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS
CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL
AND ELECTRO-
MECHANICAL
LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT
DEVICES

DOOR OPENERS

HANDLES AND
PUSH-PULLS



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Many of our doors have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Mat 03 Responsible sourcing of construction products (Prerequisite-4 pts)

Select products with a reduced environmental, economic, and social impact.

All ASSA ABLOY wooden doors meet the BREEAM prerequisite of being 'Legal' and 'Sustainable' as per the UK Government's Timber Procurement Policy (TPP). SMARTec Performance Timber Doorsets are certified by the Forest Stewardship Council® (FSC®).

Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution doors are designed with high-quality materials and world-class engineering, leading to increased product lifetimes. Our door closers are made to meet a variety of vigorous performance and are built to withstand high-traffic areas.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS



Health and Wellbeing

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS
CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL
AND ELECTRO-
MECHANICAL
LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT
DEVICES

DOOR OPENERS

HANDLES AND
PUSH-PULLS

Hea 02 Indoor Air Quality (Prerequisite-4 pts)

Reduce emissions from construction products to enhance indoor air quality. Credit is achieved by selecting construction products in three to five categories (interior paints and coatings, wood-based products, flooring materials, ceiling/wall/acoustic/thermal insulation materials, and/or interior adhesives/sealants) that meet emissions thresholds and standards related to formaldehyde, total volatile organic compounds (TVOCs), and type 1A and 1B carcinogens.

ASSA ABLOY seeks to understand and transparently report the materials in our products, ensuring the products are safe for the consumer. ASSA ABLOY Opening Solutions' drop seals are manufactured urea-formaldehyde free.

Hea 04 Thermal Comfort (1-3 pts)

Ensure that buildings provide appropriate thermal comfort levels.

ASSA ABLOY Opening Solutions' drop seals enhance the overall thermal performance of the building by ensuring a timely and tightly sealed building envelope, minimizing temperature changes within the building.

Hea 05 Acoustic Performance (3 pts)

Minimise sound disturbances and increase occupant productivity by providing enhanced acoustic performance.

Select ASSA ABLOY Drop Seals have acoustic properties, aiding in the creation of quiet and productive environments.



Energy

Ene 01 Reduction of Energy Use and Carbon Emissions (up to 18 pts)

To minimise operational energy demand, primary energy consumption and CO₂ emissions.

ASSA ABLOY Opening Solutions' drop seals ensure a consistent and tight door seal that minimizes the indoor temperature change near the door. Drop seals can lessen the load on heating, ventilation, and air conditioning systems, leading to increased energy efficiency in the building.



Materials

Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution drop seals are designed with high-quality materials and world-class engineering, leading to increased product lifetimes. Our drop seals are made to meet a variety of vigorous performance and are built to continually maintain a tight seal.

PANIC AND EXIT DEVICES



Health and Wellbeing

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. The installation of our products can help meet local accessibility laws and codes. Our panic and exit devices are certified according to the most demanding standards and can endure heavy traffic situations in virtually any commercial setting. Our exit devices must always release the door without prior knowledge of how to operate the device. Many of our panic and exit products have disabled access options and are in accordance with the European performance standard EN1125:1997.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Many of our panic and exit devices have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution panic and exit devices are designed with high-quality materials and world-class engineering, leading to increased product lifetimes. Our panic and exit devices are made to meet a variety of vigorous performance and are built to withstand high-traffic areas.

DOOR OPENERS



Health and Wellbeing

Hea 06 Security (1 pt)

Provide security features to the building and site to promote a safe and welcoming environment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. Our door openers aid in the easily accessible entry and exit of buildings for people of all backgrounds and abilities.



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Select door openers have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards.

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Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution door openers are designed with high-quality materials and world-class engineering, leading to increased product lifetimes. Our door openers are made to meet a variety of vigorous performance and are built to withstand high-traffic areas.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS
CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL
AND ELECTRO-
MECHANICAL
LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT
DEVICES

DOOR OPENERS

HANDLES AND
PUSH-PULLS

HANDLES AND PUSH-PULLS



Materials

Mat 02 Environmental impacts from construction products - Environmental Product Declarations (EPD) (1 pts)

Specify and incorporate construction products with EPDs into the building.

ASSA ABLOY aims to set long-term, science-based sustainability goals. Select handles and push-pulls have EPDs, which are documents that provide material transparency information and denote the environmental impact across the product's life cycle. All of our EPDs are third-party verified and are compliant with ISO 14025 and EN 15804 standards.

To access our full library of EPDs, please visit our website at <https://www.assaabloyopeningsolutions.com/en>

Mat 05 Designing for Durability and Resilience (1 pt)

Select products that have a reduced need to be repaired and replaced.

ASSA ABLOY Opening Solution handles and push-pulls are designed with high-quality materials and world-class engineering, leading to increased product lifetimes. Our handles and push-pulls are made to meet a variety of vigorous performance and are built to withstand high-traffic areas.

ASSA ABLOY
BREEAM®
OVERVIEW

ACCESS CONTROL

Aperio®
CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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